

10/636,015

Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in this application:

Listing of the Claims:

1. (Currently amended) [[A light]] Light polymerization [[device]] apparatus, comprising:
a hand-held module (10) for the photopolymerization of dental materials, the hand held module being provided with a handgrip (14);
at least two or more additional modules that are ~~interchangeable with other~~ structurally connectable for assembly [[into]] with the handheld module, the additional modules including a base station module (30), a data/electrical connection module (24), a service module (62), and a storage battery module (22) ~~which may be secured to the hand-held module (10);~~ and
a data bus (46) and ~~a plurality of electrical supply connectors~~ connections (48) provided between at least two modules (10, 22; 10, 24; 10, 62; 22, 30; 30, 24; 30, 62) via which data, in particular control data for the hand-held module (10), is transferable.
2. (Currently amended) A light polymerization [[device]] apparatus according to claim 1, wherein at least one of the hand-held module (10), the storage battery module (22), the base station module (30), and the service module (62) includes at least one port or interface for the data bus (46), which is additional to, and especially, adjacent to, the plurality of electrical power supply connectors (48) provided for the supply of electrical energy.
3. (Currently amended) A light polymerization [[device]] apparatus according to claim 1, wherein at least one port for the data bus (46) and at least two electrical power supply connectors (48) are configured in the respective form of a [[multiple-prong]] multi-pin plug and a multiple-branch receptacle (54).

10/636,015

4. (Currently amended) A light polymerization [[device]] apparatus according to claim 1, wherein the data bus (46) is mounted between the storage battery module (22) and a selected one of the hand-held module (10), the base station module (30), and the storage battery module (22).
5. (Currently amended) (Previously presented) A light polymerization [[device]] apparatus according to claim wherein the data/electrical connection module (24) is connected with an external electrical power supply source, and the data/electrical connection module (24) is connectable with at least one of the hand-held module (10) and the base station module (30).
6. (Currently amended) (Previously presented) A light polymerization [[device]] apparatus according to claim 5, wherein, in connection with a power pack operation of the hand-held module (10), the data/electrical connection module (24) is integrated into the hand-held module (10), and the data/electrical connection module (24) conducts electrical power supply energy supplied via an electrical power supply cable (50) to the hand-held module (10).
7. (Currently amended) A light polymerization [[device]] apparatus according to claim 1, and further comprising a service module (62) connected, in particular, with both a computer (66) and, via a power pack (60), with an external energy source, the service module (62) being connectable with at least one of the hand-held module (10) and the base station module (30) such that at least one of an adjustment of the hand-held module (10) into its operational condition, a calibration of the hand-held module (10), and a transmission of data stored in a computer (66) to at least one of the hand-held module (10), the storage battery module (22), and the base station module (30) can be effected.
8. (Currently amended) A light polymerization [[device]] apparatus according to claim 5, wherein the data/electrical connection module (24), the storage battery module (22), and the service module (62) have an outer configuration which extends flush with a surface of the hand-held module (10), the separation line (26) between the hand-held module (10) and the other modules extends not in a linear manner but in a wavy manner to contribute to the aesthetically pleasing appearance of the [[device]] apparatus and makes possible an improved anchoring with relatively little construction effort.

10/636.015

9. (Cancelled)

10. (Currently amended) A light polymerization [[device]] apparatus according to claim 5, wherein the data/electrical connection module (24) and a service module (62) connected with an external energy source each comprise a housing having an interface, the form of the housing and its interface being compatible with the housing of the storage battery module (22).

11. (Currently amended) A light polymerization [[device]] apparatus according to claim 5, wherein a selected one of the housing of the storage battery module (22), the data/electrical connection module (24), and a service module (62) connected with an external energy source forms a portion of the handgrip (14) of the hand-held module (10).

12. (Cancelled)

13. (Cancelled)

14. (Currently amended) A light polymerization [[device]] apparatus according to claim 1, wherein the hand held module is provided with a microcontroller (32), and wherein at least one of calibration data, light output performance data, mass data, and operational time data of the light polymerization [[device]] apparatus are stored in the microcontroller.

15. (Currently amended) A light polymerization [[device]] apparatus according to claim 1, wherein the storage battery module (22) is releasably securable to the hand-held module (10) and control data for the hand-held module (10) are transferable via the data bus (46).

16. (Currently amended) A light polymerization [[device]] apparatus according to claim 5, wherein the data/electrical connection module (24) is connected with an external electrical power supply source via a power pack (60) and the data/electrical connection module (24) is connectable with at least one of the hand-held module (10) and the base station module (30) via one of a [[multi-prong]] multi-pin plug and a multi-branch receptacle (54).

10/636,015

17. (Currently amended) A light polymerization [[device]] apparatus according to claim 6, wherein the data/electrical connection module (24) is integrated into the handgrip (14) of the hand-held module (10).

18. (Cancelled)

19. (Currently amended) A light polymerization [[device]] apparatus according to claim 1, wherein at least one of the hand-held module (10), the base station module (30), and the storage battery module (22) includes a micro-controller (38, 44).

20. (Currently amended) A light polymerization [[device]] apparatus according to claim 14, wherein the respective calibration data, light output performance data, mass data, and operational time data of the light polymerization [[device]] apparatus are stored in at least the hand-held module (10) and are stored as well in the base station module (30) following a reading thereof via the data bus (46).